



**Answer All the Following Questions**

**The First Question (20 Marks)**

**Select the best answer from the following choices**

1. According to Metcalfe's Law, the value of a network grows roughly by a power of \_\_\_\_\_ of the number of its users or nodes

- A. three
- B. four
- C. two
- D. five

2. This business model represents an arrangement in which businesses can turn other businesses into their virtual commissioned sales force.

- A. affiliate marketing
- B. viral marketing
- C. direct marketing
- D. virtual marketing

3. CRM stands for

- A. Customer Relationship Management
- B. Customer Responsibility Management
- C. Customer Reliability Management.
- D. Consumer Relational Management

3. \_\_\_\_\_ are intra-organizational Web-based secure networks that facilitate information access and collaboration.

- A. Extranets
- B. Virtual Private Networks
- C. Intranets
- D. EDI networks

4. Businesses in an alliance may

- A. share resources
- B. establish permanent supplier-company relationships
- C. create joint research efforts
- D. all of the above

5. "A set of programs that enable the hardware to process data" best describes

- A. Software
- B. Telecommuting
- C. Virtual corporations
- D. Database objects.

6. The architecture for EC is known as \_\_\_\_\_ computing, which connects

computers and other electronic devices via telecommunication networks

- A. Networked
- B. PC
- C. Mainframe
- D. Internet

7. Assuming that price is the only consideration, in a reverse auction, the highest bid wins.

- A. True
- B. False

8. In general, in order to respond to the many market, technology, and societal pressures surrounding the modern organization, the organization devises a set of critical response activities supported by information technology.

- A. True
- B. False

9. \_\_\_\_\_ refers to the conduct of e-commerce via wireless devices.

- A. E-commerce
- B. L-commerce
- C. M-commerce
- D. I-commerce

10. A company that performs most of its business functions electronically in order to enhance its operations and competitiveness is

- A. E-Business
- B. Electronic Commerce
- C. Information technology
- D. Intranet

11. A use of web-based systems to support buying selling and customer service exemplifies

- A. E-business
- B. E-Commerce
- C. Network
- D. Distributed computing

12. Connects computers and other electronic devices via telecommunication networks

- A. Intranet
- B. Internet



C. Networked Computing

D. Extranets

13. \_\_\_\_\_ are self-contained, self-describing business and consumer modular applications, delivered over the Internet, that users can select and combine through almost any device, ranging from personal computers to mobile phones.

A. XML

B. Web Services

C. Object Services

D. Information Services

14. \_\_\_\_\_ includes the system hardware, development software, networks and communications facilities, databases, and information systems personnel.

A. Physical data model

B. Information infrastructure

C. Systems architecture

D. Information architecture

15. A \_\_\_\_\_ handles the day-to-day, routine, repetitive tasks that are essential to the operation of the organization. Activities supported include the monitoring, collection, storage, processing and dissemination of the organization's basic business transactions.

A. Transaction Processing System

B. Management Information System

C. Knowledge Management System

D. Office Automation System

16. \_\_\_\_\_ is a group of programs that manipulate the database and provide an interface between the

database and its users and other application programs.

A. DBMS

B. DBA

C. IS

D. DBS

17. A(n) \_\_\_\_\_ is a description of the entire database.

A. ERD

B. DBMS

C. table

D. schema

18. A(n) \_\_\_\_\_ is a collection of related data fields.

A. character

B. computed field

C. record

D. file

19. A(n) \_\_\_\_\_ is the basic building block of information, consisting of uppercase letters, lowercase letters, numeric digits, or special symbols.

A. character

B. field

C. record

D. file

20. \_\_\_\_\_ is a visual approach to developing database queries or requests.

A. DDL

B. QBE

C. DML

D. DAL

### **The Second Question (7 Marks)**

a) Briefly define information technology, mobile computing, and m-commerce.

b) What is information system and list its main components.

c) Compare between a networked computing and networked organizations.

### **The Third Question (7 Marks)**

a) Define data, information, knowledge, TPS, and MIS.

b) What information systems support the work of groups?

c) Distinguish between a mainframe and a distributed environment.

### **The Fourth Question (6 Marks)**

a) Briefly describe differences and relationships between intranets and extranets.

b) What are major benefits and limitations of working in groups.

c) Compare between corporate portals and information portals.

*With my best wishes*